

WHAT IS CLAIMED IS:

1. An electrode and nozzle assembly for use with an electrosurgical device comprising:

a shroud including a distal portion and a proximal portion, a channel defining a longitudinal axis and extending between the distal portion and the proximal portion, the channel being open at each end, and a port defining a lumen, the lumen communicating with the channel, the longitudinal axis of the lumen intersecting the longitudinal axis of the channel to define an acute angle;

a conductive coating positioned on an internal wall of at least a portion of the channel and the lumen;

an electrode positioned within the channel, the electrode having a distal end extending from the distal portion of the shroud and a proximal end extending from the proximal portion of the shroud; and

an end cap positioned adjacent the proximal portion of the shroud about the electrode, the end cap being overmolded to the shroud and to the electrode.

2. An electrode and nozzle assembly as recited in Claim 1, wherein the acute angle is between about 10 degrees and about 20 degrees.

3. An electrode and nozzle assembly as recited in Claim 2, wherein the acute angle is about 12.6 degrees.

4. An electrode and nozzle assembly as recited in Claim 1, wherein a recess is

formed in the proximal portion of the shroud, the end cap being positioned within the recess.

5. An electrode and nozzle assembly as recited in Claim 4, wherein at least a portion of the recess and at least a portion of the end cap have a hexagonal configuration.

6. An electrode and nozzle assembly as recited in Claim 1, wherein a proximal end of the channel has a smaller diameter than the distal end of the channel.

7. An electrode and nozzle assembly as recited in Claim 1, further including a dielectric tube positioned within the port.

8. An electrode and nozzle assembly for use with an electrosurgical device comprising:

a shroud including a distal portion and a proximal portion, the shroud defining a channel having a longitudinal axis and extending between the distal portion and the proximal portion, the channel being open at each end;

a conductive coating positioned on an internal wall of at least a portion of the channel; and

an electrode positioned within the channel, the electrode having a distal end extending from the distal portion of the shroud and a proximal end extending from the proximal portion of the shroud.